

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name _____ Examiner # _____ Date: _____
 An Unit _____ Phone Number 30 _____ Serial Number: _____
 Mail Box and Bldg Room Location _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the electron species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

BEST AVAILABLE COPY

STAFF USE ONLY

Searcher: P. G. L. R. B. R.

Searcher Phone #: 308-4292

Searcher Location: CM 6403

Date: 7/21

Searcher Prep Time: 13

Searcher Prep Time: 5

Type of Search

NA Sequence (#): _____

AA Sequence (#): 1

Structure (#): _____

Bibliographic: _____

Organization: _____

Full text: _____

Patent Family: _____

Other: _____

Vendors and cost where applicable

STN: _____

Dialog: _____

Database: _____

Indexing: _____

Sequence Systems: CompuGen

WWW: _____

Other: _____

=> d his

(FILE 'HOME' ENTERED AT 18:32:11 ON 21 JUL 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 18:32:23 ON
21 JUL 2003

SEA ESCHERICH? AND (YAHN? OR LYSE? OR LYSIN?(S)PRODUCT? OR PROL

5 FILE ADISCTI
1 FILE ADISINSIGHT
71 FILE AGRICOLA
13 FILE ANABSTR
14 FILE AQUASCI
40 FILE BIOBUSINESS
1 FILE BIOCOMMERCE
1166 FILE BIOSIS
763 FILE BIOTECHABS
763 FILE BIOTECHDS
652 FILE BIOTECHNO
160 FILE CABA
109 FILE CANCERLIT
1323 FILE CAPLUS
65 FILE CEABA-VTB
5 FILE CEN
2 FILE CIN
1 FILE CONFSCI
1 FILE CROPU
4 FILE DDFB
9 FILE DDFU
652 FILE DGENE
4 FILE DRUGB
37 FILE DRUGU
10 FILE EMBAL
856 FILE EMBASE
371 FILE ESBIODASE
29* FILE FEDRIP
37 FILE FROSTI
117 FILE FSTA
326 FILE GENBANK
1 FILE HEALSAFE
105 FILE IFIPAT
60 FILE JICST-EPLUS
4 FILE KOSMET
538 FILE LIFESCI
698 FILE MEDLINE
9 FILE NIOSHTIC
14 FILE NTIS
2 FILE OCEAN
451 FILE PASCAL
1 FILE PHAR
1 FILE PHIC
1 FILE PHIN
27 FILE PROMT
954 FILE SCISEARCH
484 FILE TOXCENTER
8232 FILE USPATFULL
117 FILE USPAT2
1 FILE VETU
275 FILE WPIDS
275 FILE WPINDEX
1 FILE IPA
2 FILE NAPRALERT
27 FILE NLDB

L1 QUE ESCHERICH? AND (YAHN? OR LYSE? OR LYSIN?(S) PRODUCT? OR PRO

FILE 'USPATFULL, CAPLUS, BIOSIS, SCISEARCH, EMBASE, BIOTECHDS, MEDLINE,
BIOTECHNO, DGENE, LIFESCI, TOXCENTER, PASCAL, ESBIODBASE, GENBANK, WPIDS,
CABA, FSTA, USPAT2' ENTERED AT 18:38:16 ON 21 JUL 2003

L2 13350 S (ESCHERICH? OR COLI?)(S) (YAHN? OR LYSE? OR (LYSIN?(S)PRODUCT
L3 9421 S COLI?(S) (YAHN? OR LYSE?)
L4 14 S COLI?(S) YAHN?
L5 13 DUP REM L4 (1 DUPLICATE REMOVED)

Welcome to STN International! Enter x:x

LOGINID:ssspta1652dmr

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3	Feb 24 PCTGEN now available on STN
NEWS	4	Feb 24 TEMA now available on STN
NEWS	5	Feb 26 NTIS now allows simultaneous left and right truncation
NEWS	6	Feb 26 PCTFULL now contains images
NEWS	7	Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	8	Mar 24 PATDPAFULL now available on STN
NEWS	9	Mar 24 Additional information for trade-named substances without structures available in REGISTRY
NEWS	10	Apr 11 Display formats in DGENE enhanced
NEWS	11	Apr 14 MEDLINE Reload
NEWS	12	Apr 17 Polymer searching in REGISTRY enhanced
NEWS	13	Jun 13 Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	14	Apr 21 New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	15	Apr 28 RDISCLOSURE now available on STN
NEWS	16	May 05 Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	17	May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS	18	May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	19	May 19 Simultaneous left and right truncation added to WSCA
NEWS	20	May 19 RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	21	Jun 06 Simultaneous left and right truncation added to CBNB
NEWS	22	Jun 06 PASCAL enhanced with additional data
NEWS	23	Jun 20 2003 edition of the FSTA Thesaurus is now available
NEWS	24	Jun 25 HSDB has been reloaded
NEWS	25	Jul 16 Data from 1960-1976 added to RDISCLOSURE
NEWS	26	Jul 21 Identification of STN records implemented
NEWS	27	Jul 21 Polymer class term count added to REGISTRY
NEWS EXPRESS		April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS INTER		General Internet Information
NEWS LOGIN		Welcome Banner and News Items
NEWS PHONE		Direct Dial and Telecommunication Network Access to STN
NEWS WWW		CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:32:11 ON 21 JUL 2003

=> index bioscience medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 18:32:23 ON 21 JUL 2003

70 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s escherich? and (yahn? or lyse? or lysin?(s)product? or prolin?(s)product? or glutam(s)product?)

5	FILE ADISCTI
1	FILE ADISINSIGHT
71	FILE AGRICOLA
13	FILE ANABSTR
14	FILE AQUASCI
40	FILE BIOBUSINESS
1	FILE BIOCOMMERCE
1166	FILE BIOSIS
9	FILES SEARCHED...
763	FILE BIOTECHABS
763	FILE BIOTECHDS
652	FILE BIOTECHNO
12	FILES SEARCHED...
160	FILE CABA
109	FILE CANCERLIT
1323	FILE CAPLUS
65	FILE CEABA-VTB
5	FILE CEN
2	FILE CIN
1	FILE CONFSCI
1	FILE CROPU
4	FILE DDFB
9	FILE DDFU
23	FILES SEARCHED...
652	FILE DGENE
4	FILE DRUGB
37	FILE DRUGU
10	FILE EMBAL
856	FILE EMBASE
371	FILE ESBIODASE
29*	FILE FEDRIP
35	FILES SEARCHED...
37	FILE FROSTI
117	FILE FSTA
326	FILE GENBANK
1	FILE HEALSAFE
105	FILE IFIPAT
60	FILE JICST-EPLUS
4	FILE KOSMET
538	FILE LIFESCI
44	FILES SEARCHED...
698	FILE MEDLINE
9	FILE NIOSHTIC
14	FILE NTIS
2	FILE OCEAN

451 FILE PASCAL
 1 FILE PHAR
 53 FILES SEARCHED...
 1 FILE PHIC
 1 FILE PHIN
 27 FILE PROMT
 57 FILES SEARCHED...
 954 FILE SCISEARCH
 484 FILE TOXCENTER
 8232 FILE USPATFULL
 117 FILE USPAT2
 1 FILE VETU
 275 FILE WPIDS
 66 FILES SEARCHED...
 275 FILE WPINDEX
 1 FILE IPA
 2 FILE NAPRALERT
 27 FILE NLDB

55 FILES HAVE ONE OR MORE ANSWERS, 70 FILES SEARCHED IN STNINDEX

L1 QUE ESCHERICH? AND (YAHN? OR LYSE? OR LYSIN?(S) PRODUCT? OR PROLIN?(S) PRO
 DUCT? OR GLUTAM(S) PRODUCT?)

=> d rank

F1	8232	USPATFULL
F2	1323	CAPLUS
F3	1166	BIOSIS
F4	954	SCISEARCH
F5	856	EMBASE
F6	763	BIOTECHABS
F7	763	BIOTECHDS
F8	698	MEDLINE
F9	652	BIOTECHNO
F10	652	DGENE
F11	538	LIFESCI
F12	484	TOXCENTER
F13	451	PASCAL
F14	371	ESBIOBASE
F15	326	GENBANK
F16	275	WPIDS
F17	275	WPINDEX
F18	160	CABA
F19	117	FSTA
F20	117	USPAT2
F21	109	CANCERLIT
F22	105	IFIPAT
F23	71	AGRICOLA
F24	65	CEABA-VTB
F25	60	JICST-EPLUS
F26	40	BIOBUSINESS
F27	37	DRUGU
F28	37	FROSTI
F29	29*	FEDRIP
F30	27	PROMT
F31	27	NLDB
F32	14	AQUASCI
F33	14	NTIS
F34	13	ANABSTR
F35	10	EMBAL
F36	9	DDFU
F37	9	NIOSHTIC
F38	5	ADISCTI
F39	5	CEN
F40	4	DDFB

F41	4	DRUGB
F42	4	KOSMET
F43	2	CIN
F44	2	OCEAN
F45	2	NAPRALERT
F46	1	ADISINSIGHT
F47	1	BIOCOMMERCE
F48	1	CONFSCI
F49	1	CROPU
F50	1	HEALSAFE
F51	1	PHAR
F52	1	PHIC
F53	1	PHIN
F54	1	VETU
F55	1	IPA

=> file f1-f20

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.50	5.71

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 18:38:16 ON 21 JUL 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 18:38:16 ON 21 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'SCISEARCH' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT 2003 THOMSON ISI

FILE 'EMBASE' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT (C) 2003 Elsevier Science B.V. All rights reserved.

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT (C) 2003 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION

FILE 'MEDLINE' ENTERED AT 18:38:16 ON 21 JUL 2003

FILE 'BIOTECHNO' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT (C) 2003 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'DGENE' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT (C) 2003 DERWENT INFORMATION LTD

FILE 'LIFESCI' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'TOXCENTER' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT (C) 2003 ACS

FILE 'PASCAL' ENTERED AT 18:38:16 ON 21 JUL 2003
Any reproduction or dissemination in part or in full,
by means of any process and on any support whatsoever
is prohibited without the prior written agreement of INIST-CNRS.
COPYRIGHT (C) 2003 INIST-CNRS. All rights reserved.

FILE 'ESBIOBASE' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT (C) 2003 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'GENBANK' ENTERED AT 18:38:16 ON 21 JUL 2003

FILE 'WPIDS' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'WPINDEX' ACCESS NOT AUTHORIZED

FILE 'CABA' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT (C) 2003 CAB INTERNATIONAL (CABI)

FILE 'FSTA' ENTERED AT 18:38:16 ON 21 JUL 2003
COPYRIGHT (C) 2003 International Food Information Service

FILE 'USPAT2' ENTERED AT 18:38:16 ON 21 JUL 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (escherich? or coli?)(s) (yahn? or lyse? or (lysin?(s)product?) or
(prolin?(s)product?) or (glutam(s)product?))

8 FILES SEARCHED...

12 FILES SEARCHED...

16 FILES SEARCHED...

L2 13350 (ESCHERICH? OR COLI?)(S) (YAHN? OR LYSE? OR (LYSIN?(S) PRODUCT?)
OR (PROLIN?(S) PRODUCT?) OR (GLUTAM(S) PRODUCT?))

=> s coli?(s) (yahn? or lyse?)

L3 9421 COLI?(S) (YAHN? OR LYSE?)

=> s coli?(s) yahn?

L4 14 COLI?(S) YAHN?

=> dup rem l4

DUPLICATE IS NOT AVAILABLE IN 'DGENE, GENBANK'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L4

L5 13 DUP REM L4 (1 DUPLICATE REMOVED)

=> d ti l5 1-13

L5 ANSWER 1 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 1

TI The Lyse superfamily: Topology of the lysine exporter Lyse of
Corynebacterium glutamicum, a paradigm for a novel superfamily of
transmembrane solute translocators.

L5 ANSWER 2 OF 13 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN

TI Increased production of L-amino acids by an Escherichia bacterium
comprises increasing the expression amount of an L-amino acid excretion
protein -

L5 ANSWER 3 OF 13 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN

TI Increased production of L-amino acids by an Escherichia bacterium
comprises increasing the expression amount of an L-amino acid excretion
protein -

L5 ANSWER 4 OF 13 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN

TI Increased production of L-amino acids by an Escherichia bacterium
comprises increasing the expression amount of an L-amino acid excretion
protein -

L5 ANSWER 5 OF 13 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN

TI Increased production of L-amino acids by an Escherichia bacterium
comprises increasing the expression amount of an L-amino acid excretion

protein -

L5 ANSWER 6 OF 13 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Increased production of L-amino acids by an Escherichia bacterium
comprises increasing the expression amount of an L-amino acid excretion
protein -

L5 ANSWER 7 OF 13 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Increased production of L-amino acids by an Escherichia bacterium
comprises increasing the expression amount of an L-amino acid excretion
protein -

L5 ANSWER 8 OF 13 GENBANK.RTM. COPYRIGHT 2003 on STN

TITLE (TI): Complete genome sequence of a multiple drug resistant
Salmonella enterica serovar Typhi CT18
TITLE (TI): Direct Submission

L5 ANSWER 9 OF 13 GENBANK.RTM. COPYRIGHT 2003 on STN

TITLE (TI): Complete nucleotide sequence of the prophage VT2-Sakai
carrying the verotoxin 2 genes of the enterohemorrhagic
Escherichia coli O157:H7 derived from the Sakai
outbreak
TITLE (TI): Comparative analysis of the whole set of rRNA operons
between an enterohemorrhagic Escherichia coli O157:H7
Sakai strain and an Escherichia coli K-12 strain MG1655
TITLE (TI): Complete nucleotide sequence of the prophage VT1-Sakai
carrying the Shiga toxin 1 genes of the
enterohemorrhagic Escherichia coli O157:H7 strain
derived from the Sakai outbreak
TITLE (TI): Complete genome sequence of enterohemorrhagic
Escherichia coli O157:H7 and genomic comparison with a
laboratory strain K-12
TITLE (TI): Direct Submission

L5 ANSWER 10 OF 13 GENBANK.RTM. COPYRIGHT 2003 on STN

TITLE (TI): Method for producing l-amino acids

L5 ANSWER 11 OF 13 GENBANK.RTM. COPYRIGHT 2003 on STN

TITLE (TI): Method for producing l-amino acids

L5 ANSWER 12 OF 13 GENBANK.RTM. COPYRIGHT 2003 on STN

TITLE (TI): Method for producing l-amino acids

L5 ANSWER 13 OF 13 GENBANK.RTM. COPYRIGHT 2003 on STN

TITLE (TI): Method for producing l-amino acids

=> d his

(FILE 'HOME' ENTERED AT 18:32:11 ON 21 JUL 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCCommerce, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 18:32:23 ON
21 JUL 2003

SEA ESCHERICH? AND (YAHN? OR LYSE? OR LYSIN?(S)PRODUCT? OR PROL

5 FILE ADISCTI

1 FILE ADISINSIGHT
 71 FILE AGRICOLA
 13 FILE ANABSTR
 14 FILE AQUASCI
 40 FILE BIOBUSINESS
 1 FILE BIOCOMMERCE
 1166 FILE BIOSIS
 763 FILE BIOTECHABS
 763 FILE BIOTECHDS
 652 FILE BIOTECHNO
 160 FILE CABA
 109 FILE CANCERLIT
 1323 FILE CAPLUS
 65 FILE CEABA-VTB
 5 FILE CEN
 2 FILE CIN
 1 FILE CONFSCI
 1 FILE CROPU
 4 FILE DDFB
 9 FILE DDFU
 652 FILE DGENE
 4 FILE DRUGB
 37 FILE DRUGU
 10 FILE EMBAL
 856 FILE EMBASE
 371 FILE ESBIODASE
 29* FILE FEDRIP
 37 FILE FROSTI
 117 FILE FSTA
 326 FILE GENBANK
 1 FILE HEALSAFE
 105 FILE IFIPAT
 60 FILE JICST-EPLUS
 4 FILE KOSMET
 538 FILE LIFESCI
 698 FILE MEDLINE
 9 FILE NIOSHTIC
 14 FILE NTIS
 2 FILE OCEAN
 451 FILE PASCAL
 1 FILE PHAR
 1 FILE PHIC
 1 FILE PHIN
 27 FILE PROMT
 954 FILE SCISEARCH
 484 FILE TOXCENTER
 8232 FILE USPATFULL
 117 FILE USPAT2
 1 FILE VETU
 275 FILE WPIDS
 275 FILE WPINDEX
 1 FILE IPA
 2 FILE NAPRALERT
 27 FILE NLDB

L1 QUE ESCHERICH? AND (YAHN? OR LYSE? OR LYSIN?(S) PRODUCT? OR PRO

FILE 'USPATFULL, CAPLUS, BIOSIS, SCISEARCH, EMBASE, BIOTECHDS, MEDLINE,
 BIOTECHNO, DGENE, LIFESCI, TOXCENTER, PASCAL, ESBIODASE, GENBANK, WPIDS,
 CABA, FSTA, USPAT2' ENTERED AT 18:38:16 ON 21 JUL 2003

L2 13350 S (ESCHERICH? OR COLI?)(S) (YAHN? OR LYSE? OR (LYSIN?(S) PRODUCT
 L3 9421 S COLI?(S) (YAHN? OR LYSE?)
 L4 14 S COLI?(S) YAHN?
 L5 13 DUP REM L4 (1 DUPLICATE REMOVED)

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

74.99

80.70

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 18:44:04 ON 21 JUL 2003